

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/092,296

DATE: 06/12/98
TIME: 10:03:12

INPUT SET: S26630.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

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SEQUENCE LISTING

(1) General Information

(i) APPLICANT: BILLING-MEDEL, PATRICIA
COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
KLASS, MICHAEL R.
RUSSELL, JOHN C.
STROUPE, STEPHEN D.

ENTERED

(ii) TITLE OF THE INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE LUNG

(iii) NUMBER OF SEQUENCES: 20

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Abbott Laboratories
(B) STREET: 100 Abbott Park Road
(C) CITY: Abbott Park
(D) STATE: IL
(E) COUNTRY: USA
(F) ZIP: 60064-3500

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: DOS
(D) SOFTWARE: FastSEQ for Windows Version 2.0

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 60/048,810
(B) FILING DATE: 05-JUN-1997

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(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Becker, Cheryl L.
- (B) REGISTRATION NUMBER: 35,441
- (C) REFERENCE/DOCKET NUMBER: 6104.US.01

(ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: 847/935-1729
- (B) TELEFAX: 847/938-2623
- (C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 239 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ix) FEATURE:

- (A) NAME/KEY: base_polymorphism
- (B) LOCATION: 200
- (D) OTHER INFORMATION: /note= " N' represents an A or G or T or C polymorphism at this position"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GGCCACCGGG	ACTTCAGTGT	CTCCTCCATC	CCAGGAGCGC	AGTGGCCACT	ATGGGGTCTG	60
GGCTGCCCCCT	TGTCCTCCTC	TTGACCCCTC	TTGGCAGCTC	ACATGGAACA	GGGCCGGGTA	120
TGACTTTGCA	ACTGAAGCTG	AAGGAGTCTT	TTCTGACAAA	TTCCTCCTAT	GAGTCCAGCT	180
TCCTGGAATT	GCTTGAAAAA	TCTGCCTCCT	CCTCCATCTC	CCTTCAGGGA	CCAGCGTCA	239

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 229 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

ACCGGGACTT	CAGTGTCTCC	TCCATCCCAG	GAGCGCAGTG	GCCACTATGG	GGTCTGGGCT	60
GCCCCTTGTC	CTCCTCTTGA	CCCTCCTTGG	CAGCTCACAT	GGAACAGGGC	CGGGTATGAC	120
TTTGCAACTG	AAGCTGAAGG	AGTCTTTTCT	GACAAATTCC	TCCTATGAGT	CCAGCTTCCT	180
GGAATTGCTT	GAAAAGTCTG	CCTCCTCCTC	CATCTCCCTT	CAGGGACCA		229

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

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100 (A) LENGTH: 180 base pairs
101 (B) TYPE: nucleic acid
102 (C) STRANDEDNESS: single
103 (D) TOPOLOGY: linear
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106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
107
108 CAGGAGCGCA GTGGCCACTA TGGGGTCTGG GCTGCCCCTT GTCCTCCTCT TGACCCTCCT 60
109 TGGCAGCTCA CATGGAACAG GGCCGGGTAT GACTTTGCAA CTGAAGCTGA AGGAGTCTTT 120
110 TCTGACAAGT TCCTCCTATG AGTCCAGCTT CCTGGAATTG CTTGAAAAGC TCTGCCTCCT 180
111
112 (2) INFORMATION FOR SEQ ID NO:4:
113
114 (i) SEQUENCE CHARACTERISTICS:
115 (A) LENGTH: 165 base pairs
116 (B) TYPE: nucleic acid
117 (C) STRANDEDNESS: single
118 (D) TOPOLOGY: linear
119
120 (ix) FEATURE:
121 (A) NAME/KEY: base_polymorphism
122 (B) LOCATION: 68
123 (D) OTHER INFORMATION: /note= " N' represents an A or G or
124 T or C polymorphism at this position"
125
126
127 (ix) FEATURE:
128 (A) NAME/KEY: base_polymorphism
129 (B) LOCATION: 101
130 (D) OTHER INFORMATION: /note= " N' represents an A or G or
131 T or C polymorphism at this position"
132
133 (ix) FEATURE:
134 (A) NAME/KEY: base_polymorphism
135 (B) LOCATION: 124
136 (D) OTHER INFORMATION: /note= " N' represents an A or G or
137 T or C polymorphism at this position"
138
139 (ix) FEATURE:
140 (A) NAME/KEY: base_polymorphism
141 (B) LOCATION: 131
142 (D) OTHER INFORMATION: /note= " N' represents an A or G or
143 T or C polymorphism at this position"
144
145 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
146
147 TCAACACCAT GTTGTCTGCA ACACATGACA GCCATTGAAG CCTGTGTCCT TCTTGGCCCG 60
148 GGCTTTTNGG CGGGGAATGC AGGAGGCAGG CCCCACCCT NTCTTTCAGC AGGCCCCCAG 120
149 CCTNCTGAGT NGCAATAAAT AAAATTCGGT ATGCTGAATT CAATA 165
150
151 (2) INFORMATION FOR SEQ ID NO:5:
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153 (i) SEQUENCE CHARACTERISTICS:
154 (A) LENGTH: 389 base pairs
155 (B) TYPE: nucleic acid
156 (C) STRANDEDNESS: single
157 (D) TOPOLOGY: linear
158
159
160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
161
162 CAGGAGCGCA GTGGCCACTA TGGGGTCTGG GCTGCCCTT GTCCTCCTCT TGACCCTCCT 60
163 TGGCAGCTCA CATGGAACAG GGCCGGGTAT GACTTTGCAA CTGAAGCTGA AGGAGTCTTT 120
164 TCTGACAAGT TCCTCCTATG AGTCCAGCTT CCTGGAATTG CTTGAAAAGC TCTGCCTCCT 180
165 CCTCCATCTC CCTTCAGGGA CCAGCGTCAC CCTCCACCAT GCAAGATCTC AACACCATGT 240
166 TGTCTGCAAC ACATGACAGC CATTGAAGCC TGTGTCCTTC TTGGCCCGGG CTTTGGGGCC 300
167 GGGGATGCAG GAGGCAGGCC CCGACCCTGT CTTTCAGCAG GCCCCACCC TCCTGAGTGG 360
168 CAATAAATAA AATTCCGTAT GCTGAATTC 389
169
170 (2) INFORMATION FOR SEQ ID NO:6:
171
172 (i) SEQUENCE CHARACTERISTICS:
173 (A) LENGTH: 413 base pairs
174 (B) TYPE: nucleic acid
175 (C) STRANDEDNESS: single
176 (D) TOPOLOGY: linear
177
178
179 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
180
181 ACCGGGACTT CAGTGTCTCC TCCATCCCAG GAGCGCAGTG GCCACTATGG GGTCTGGGCT 60
182 GCCCTTGTC CTCCTCTTGA CCTCCTTGG CAGCTCACAT GGAACAGGGC CGGGTATGAC 120
183 TTTGCAACTG AAGCTGAAGG AGTCTTTTCT GACAAATTCC TCCTATGAGT CCAGCTTCCT 180
184 GGAATTGCTT GAAAAGCTCT GCCTCCTCCT CCATCTCCCT TCAGGGACCA GCGTCACCT 240
185 CCACCATGCA AGATCTCAAC ACCATGTTGT CTGCAACACA TGACAGCCAT TGAAGCCTGT 300
186 GTCCTTCTTG GCCCGGGCTT TTGGGCCGGG GATGCAGGAG GCAGGCCCCG ACCCTGTCTT 360
187 TCAGCAGGCC CCCACCCTCC TGAGTGGCAA TAAATAAAAT TCGGTATGCT TGA 413
188
189 (2) INFORMATION FOR SEQ ID NO:7:
190
191 (i) SEQUENCE CHARACTERISTICS:
192 (A) LENGTH: 424 base pairs
193 (B) TYPE: nucleic acid
194 (C) STRANDEDNESS: single
195 (D) TOPOLOGY: linear
196
197
198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
199
200 GGCCACCGGG ACTTCAGTGT CTCCTCCATC CCAGGAGCGC AGTGGCCACT ATGGGGTCTG 60
201 GGCTGCCCCCT TGTCTCCTC TTGACCCTCC TTGGCAGCTC ACATGGAACA GGGCCGGGTA 120
202 TGACTTTGCA ACTGAAGCTG AAGGAGTCTT TTCTGACAAA TTCCTCCTAT GAGTCCAGCT 180
203 TCCTGGAATT GCTTGAAGG CTCTGCCTCC TCCTCCATCT CCCTTCAGGG ACCAGCGTCA 240
204 CCCTCCACCA TGCAAGATCT CAACACCATG TTGTCTGCAA CACATGACAG CCATTGAAGC 300
205 CTGTGTCCTT CTTGGCCCGG GCTTTTGGGC CGGGGATGCA GGAGGCAGGC CCCGACCCTG 360

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206 TCTTTCAGCA GGCCCCCACC CTCCTGAGTG GCAATAAATA AAATTCGGTA TGCTGAATTC 420
207 AATA 424
208
209 (2) INFORMATION FOR SEQ ID NO:8:
210
211 (i) SEQUENCE CHARACTERISTICS:
212 (A) LENGTH: 68 base pairs
213 (B) TYPE: nucleic acid
214 (C) STRANDEDNESS: single
215 (D) TOPOLOGY: linear
216
217
218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
219
220 AGCTCGGAAT TCCGAGCTTG GATCCTCTAG AGCGGCCGCC GACTAGTGAG CTCGTCGACC 60
221 CGGGAATT 68
222
223 (2) INFORMATION FOR SEQ ID NO:9:
224
225 (i) SEQUENCE CHARACTERISTICS:
226 (A) LENGTH: 68 base pairs
227 (B) TYPE: nucleic acid
228 (C) STRANDEDNESS: single
229 (D) TOPOLOGY: linear
230
231
232 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
233
234 AATTAATTCC CGGGTCGACG AGCTCACTAG TCGGCGGCCG CTCTAGAGGA TCCAAGCTCG 60
235 GAATTCCG 68
236
237 (2) INFORMATION FOR SEQ ID NO:10:
238
239 (i) SEQUENCE CHARACTERISTICS:
240 (A) LENGTH: 26 base pairs
241 (B) TYPE: nucleic acid
242 (C) STRANDEDNESS: single
243 (D) TOPOLOGY: linear
244
245
246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
247
248 TTTTTTTTTT TTTTTTTTTT TTTTTC 26
249
250 (2) INFORMATION FOR SEQ ID NO:11:
251
252 (i) SEQUENCE CHARACTERISTICS:
253 (A) LENGTH: 18 base pairs
254 (B) TYPE: nucleic acid
255 (C) STRANDEDNESS: single
256 (D) TOPOLOGY: linear
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SEQUENCE VERIFICATION REPORT
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Original Text